Java Programs.

1. **Write a java program to print numbers from 1-10 using for, while, do while loop.**

```
public class For {
public static void main(String[] args) {
        for(int i=1;i<=10;i++){
                System.out.println(i);
        }
}
}
```

2.
```
public class While {
public static void main(String[] args) {
  int i=1;
   while(i<=10){
      System.out.println(i);
   i++;
   }
}
}
```

3.
```
public class DoWhile {
  public static void main(String[] args) {
    int i=1;
  do{
    System.out.println(i);
  i++;
  }while(i<=10);
}
}
```

4. **Simple Interest Program in Java.**
```
import java.util.Scanner;
class Simple_Interest{
public static void main (String args[] )
{
int p;
float rot;
int  t;
float si;
float amt;
Scanner input=new Scanner(System.in);
System.out.println(" Enter the Principal Amount: ");
p=input.nextInt();
System.out.println("Enter the Rate of Interest:");
rot=input.nextFloat();
System.out.println("Enter the Number of years:");
```

```
          t=input.nextInt();
          si=(p *rot*t)/100;
          amt=si+p;
          System.out.println("\n Simple Interest is: "+si);
          System.out.println("\n Total Amount is: "+amt);
           }
          }
```

5. **Java program to find out voter age.**

```
       import java.util.Scanner;
      class Conditional
      {
       public static void main(String[]args)
       {
        {
          System.out.println("Enter your age please.");
        }
        Scanner sc = new Scanner(System.in);
        int age = sc.nextInt();
        if(age>=18)
        {
          System.out.println("Welcome to the voter portal !" );
        }
        else
        {
          System.out.println("Sorry, you cannot proceed further. Thank you.");
        }
        }
       }
```

6. **Sum Of Natural Number in Java using For loop.**

```
public class SumOfNaturalNumber1
{
public static void main(String[] args)
{
int i, num = 10, sum = 0;
//executes until the condition returns true
for(i = 1; i <= num; ++i)
{
//adding the value of i into sum variable
sum = sum + i;
}
//prints the sum
System.out.println("Sum of First 10 Natural Numbers is = " + sum);
}
}
```

7. **Java Program to Find Sum of Natural Numbers.**

```java
public class SumOfNaturalNumber1
{
public static void main(String[] args)
{
int i, num = 10, sum = 0;
//executes until the condition returns true
for(i = 1; i <= num; ++i)
{
//adding the value of i into sum variable
sum = sum + i;
}
//prints the sum
System.out.println("Sum of First 10 Natural Numbers is = " + sum);
}
}

}
```

8. **Sum of two numbers using Scanner**

```java
import java.util.Scanner;
public class AddTwoNumbers2 {

    public static void main(String[] args) {

        int num1, num2, sum;
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter First Number: ");
        num1 = sc.nextInt();

        System.out.println("Enter Second Number: ");
        num2 = sc.nextInt();

        sc.close();
        sum = num1 + num2;
        System.out.println("Sum of these numbers: "+sum);
    }
}
```

9. **Java program for area of rectangle**

```java
Import java.util.Scanner;
Class AreaOfRectangle {
Public static void main (String[] args)
{
Scanner scanner = new Scanner(System.in);
System.out.println("Enter the length of Rectangle:");
Double length = scanner.nextDouble();
System.out.println("Enter the width of Rectangle:");
Double width = scanner.nextDouble();
//Area = length*width;
Double area = length*width;
System.out.println("Area of Rectangle is:"+area);
}
}
```